

**PENGARUH PENAMBAHAN BUBUK JAHE
(*Zingiber officianale*, Roxb) TERHADAP KARAKTERISTIK
MINUMAN HERBAL DAUN PETAI CINA (*Leucaena glauca*, L)**



**FAKULTAS TEKNOLOGI PERTANIAN
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**Pengaruh Penambahan Bubuk Jahe (*Zingiber officianale, Roxb*)
Terhadap Karakteristik Minuman Herbal Daun Petai Cina
(*Leucaena glauca*, L)**

Dian Novita Sari, Netty Sri Indeswari, Tuty Anggraini

ABSTRAK

Penelitian ini bertujuan untuk mengetahui pengaruh penambahan bubuk jahe terhadap karakteristik minuman herbal daun petai cina. Penelitian ini menggunakan rancangan acak lengkap dengan 5 perlakuan dan 3 kali ulangan. Perlakuan pada penelitian ini yaitu ; perlakuan A (minuman herbal tanpa bubuk jahe), B (bubuk daun petai cina : bubuk jahe = 97% : 3%), C (bubuk daun petai cina : bubuk jahe = 94% : 9%), D (bubuk daun petai cina : bubuk jahe = 91% : 9%), dan E (bubuk daun petai cina : bubuk jahe = 88% : 12 %). Pengamatan yang dilakukan yaitu uji kadar air, uji kadar abu, uji aktivitas antioksidan, uji total polifenol, uji kadar tanin, uji total padatan terlarut dan uji organoleptik (warna, aroma, rasa). Hasil penelitian menunjukkan bahwa penambahan bubuk jahe pada minuman herbal daun petai cina berpengaruh nyata terhadap aktivitas antioksidan, total polifenol, total padatan terlarut dan uji organoleptik (warna, aroma, rasa), namun berpengaruh tidak nyata pada kadar air dan kadar abu. Berdasarkan uji organoleptik produk minuman herbal yang terbaik adalah perlakuan B, yaitu bubuk daun petai cina : bubuk jahe = 97% : 3% dengan nilai kesukaan panellis terhadap warna = 3,90, aroma = 3,95 dan rasa = 3,50. Hasil analisis kimia pada minuman herbal perlakuan B yaitu ; kadar air 6,70%, kadar abu 5,43%, aktivitas antioksidan 79,04%, total polifenol 1105,3 mgGAE/g, dan total padatan terlarut 1,66°brix. Hasil analisis kadar tanin dari produk terbaik yaitu perlakuan B adalah 2,30%.

Kata kunci: minuman herbal, bubuk jahe, daun petai cina

The Effect of Addition of Ginger Powder (*Zingiber officinale*, Roxb) to Characteristics of Herbal Drinks Chinese petai leaf (*Leucaena glauca*, L)

Dian Novita Sari, Netty Sri Indeswari, Tuty Anggraini

ABSTRACT

This research aims to determine the effect of the addition of ginger powder to the characteristics of chinesepetai leaf herbal drinks. This study used a complete randomized design with 5 treatments and 3 replications. The treatment in this research is; treatment A (herbal drink without ginger powder), B (chinesepetai leaf powder: ginger powder = 97%: 3%), C (chinesepetai leaf powder: ginger powder = 94%: 6%), D (chinesepetai leaf powder : ginger powder = 91%: 9%), and E (chinesepetai leaf powder: ginger powder = 88%: 12%). The observations were water content, ash content, antioxidant activity, total polyphenol, tannin content, total soluble solid and organoleptic test (color, flavor, taste). The result showed that the addition of ginger powder on chinese leaf herbs significantly influenced the antioxidant activity, total polyphenol, total soluble solid and organoleptic test (color, flavor, taste), but had no significant effect on water content and ash content. Based on organoleptic test the best herbal beverage product is B treatment, which is chinesepetai leaf powder: ginger powder = 97%: 3% with panelis favor value to color = 3.90, aroma = 3.95 and taste = 3.50. Results of chemical analysis on herbal beverage treatment B namely; water content 6.70%, ash content 5.43%, antioxidant activity 79.04%, total polyphenols 1105.3 mgGAE / g, and total dissolved solids 1.66°brix. Result of analysis of tannin content from the best product that is treatment of B is 2.30 %.

Keywords- herbal drinks, ginger powder, chinese petai leaf